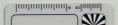
## ANNUAL REPORT

OF THE

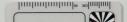
# AUCKLAND INSTITUTE 8 MUSEUM 1929-30



Presented at the Annual General Meeting held on 28th May, 1930









AUCKLAND WAR MEMORIAL MUSEUM. Opening Geremony, November 28th, 1929.

## The Auckland Citizens' War Memorial Committee, 1920-29

#### Chairmen:

SIR JAMES GUNSON, C.M.G., C.B.E. - 1920-1927. ALFRED S. BANKART, M.B.E. - - 1927-1929.

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N. ALFRED NATHAN.
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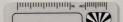
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Architects:

MESSRS. GRIERSON, AIMER AND DRAFFIN.

Contractors:

THE HANSFORD-MILLS CONSTRUCTION COMPANY, LIMITED.



## Annual Report

of the

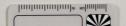
## AUCKLAND INSTITUTE AND MUSEUM

For 1929-30

Presented at the Annual General Meeting held on 28th May, 1930



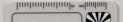
AUCKLAND:
Wilson & Horton Ltd., Printers, Queen and Wyndham Street1930.



## Staff of the Museum

GILBERT ARCHEY, O.B.E., M.A., F.Z.S. Director L. T. GRIFFIN, F.Z.S. Assistant Director and Zoologist ... Conchologist and Palaeontologist A. W. B. POWELL. Botanist LUCY M. CRANWELL, M.A. Hon. Entomologist ALFRED PHILPOTT, F.E.S., F.N.Z.Inst. Hon. Ornithologist R. A. FALLA, M.A. Librarian M. C. CLELAND. Recorder EDWIN LEECE. Bookkeeper and Typist MURIEL PORTER. Stenographer .. .. DOROTHY DIDSBURY. Taxidermist E. C. DOVER. Cabinetmaker and Joiner FRANK QUAYLE. Custodian .. .. W. HAWKE. Attendants:

E. PURDOM, J. L. DAVY, D.C.M., E. PIERARD, M. HOLDSWORTH, J. STEWART.



### OFFICERS

of the

## AUCKLAND INSTITUTE AND MUSEUM

1930-31

President: MR. H. E. VAILE.

Vice-Presidents:

THE HON. SIR EDWIN MITCHELSON, K.C.M.G., M.L.C. THE HON, SIR JAMES PARR, K.C.M.G. SIR JAMES GUNSON, C.M.G., C.B.E.

Mr. A. T. PYCROFT.

Mr. J. C. ENTRICAN. Mr. C. R. FORD.

G.B.E.
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PROFESSOR A. P. W. THOMAS, M.A., F.L.S., F.N.Z.Inst, PROFESSOR F. P. WORLEY, M.A.,

D.Sc. Representatives of the Auckland City Council: HIS WORSHIP THE MAYOR, GEORGE BAILDON, ESO,

Mr. A. J. ENTRICAN, Mr. E. J. PHELAN. MR. GEORGE BROWNLEE.

Representatives of Local Bodies:

MR. T. R. MICHAELS. Mr. W. H. POTTER.

MR. F. M. WATERS.

Trustees:

PROFESSOR A. P. W. THOMAS, Mr. A. G. LUNN.

Mr. O. NICHOLSON. MR. J. KENDERDINE.

MR. H. E. VAILE.

Secretary: GILBERT ARCHEY, M.A., F.Z.S.

## The following

# Periodicals and Publications of Societies are subscribed to by the Institute:

,

NATURE.

DISCOVERY.

SCIENCE PROGRESS

REPORT OF THE BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY. COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES. NEW ZEALAND JOURNAL OF SCIENCE AND TECHNOLOGY.

THE MUSEUMS JOURNAL.

THE PHILOSOPHICAL MAGAZINE.

THE AMERICAN JOURNAL OF SCIENCE.

THE PHYSICAL REVIEW

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.

JOURNAL OF THE CHEMICAL SOCIETY. AMERICAN CHEMICAL JOURNAL. ARCHIV DER PHARMAZIE.

MONATSHEFTE FUR CHEMIE. THE INDUSTRIAL CHEMIST.

THE GEOLOGICAL MAGAZINE.
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.

THE GEOGRAPHICAL JOURNAL.
ANNALS AND MAGAZINE OF NATURAL HISTORY
ANNALS OF BOTANY.

JOURNAL OF BOTANY.

DAS PFLANZENREIGHS.

U.S. DEPARTMENT OF AGRICULTURE YEAR BOOK

TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY THE ZOOLOGICAL RECORD.

PUBLICATIONS OF THE RAY SOCIETY THE IBIS.

MAN.

JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE.

JOURNAL OF EGYPTIAN ARCHAEOLOGY.

JOURNAL OF THE POLYNESIAN SOCIETY

MIND.

THE ECONOMIC JOURNAL

THE ECONOMIC RECORD.

JOURNAL OF THE STATISTICAL SOCIETY.

## Report of the Council

The past year, the sixty-second of the Institute's history, has marked the successful completion of a great undertaking. The stately ceremonial opening of the Auckland War Memorial Museum, on November 28th, 1929, by His Excellency The Governor-General, Sir Charles Ferguson, and the accompanying consecration of the Cenotaph and Court of Honour by His Grace The Archbishop, not only formally established a shrine and memorial to the service and sacrifice offered during the Great War, and set apart a splendid building devoted to public education and cultural recreation, but also inaugurated for the Auckland Institute and Museum a new era of activity in the advancement of knowledge and the prosecution of scientific and historical research.

Previous reports have recorded the progress of the undertaking, and now that the Citizens' Committee, which brought it to a successful issue, has disbanded, the Council desires to thank its successive Chairmen, Sir James Gunson and Mr. Alfred S. Bankart; Hon, Treasurer, Mr. V. J. Larner; Hon, Secretaries, Messrs, Wm. Elliot, C. V. Houghton, and C. R. Ford, and members for their sterling public service.

The Institute's congratulations and appreciation are cordially offered to the Architects, Messrs, Grierson, Aimer, and Draffin for the noble building they have designed, and to the Contractors, Messrs, Hansford and Mills for sound construction and craftmanship in its erection.

The Opening Ceremony.—At the opening ceremony. Their Excellencies, The Governor-General, Sir Charles Fergusson and the Lady Alice Fergusson were received by the Chairman of the Citizens' Committee and the President of the Institute.

Mr. Bankart outlined the history and progress of the War Memorial Museum movement, of which great enterprise the final act was that day being performed.

At his request the ceremony of dedication of the Cenotaph was next performed by His Grace the Archbishop,



HIS EXCELLENCY THE GOVERNOR-GENERAL, SIR CHARLES FERGUSSON, PERFORMING THE OPENING CEREMONY.

assisted by the Rev. Moderator of the Auckland Presbytery, after which the Governor-General addressed the gathering.

His Excellency described the dignified ceremony in honour of those fallen in battle in ancient Greece, a simple commemoration of duty faithfully done. He urged that Auckland's fine memorial should turn our minds away from grief to the glory which surrounded the memory of those who had fallen, and that their sacrifice should be a high call to duty for us all.

He formally handed over the Cenotaph and Court of Honour to His Worship the Mayor, and then, at the Chairman's request, invited the President to accept the War Memorial Museum building on behalf of the Council of the Institute and Museum.

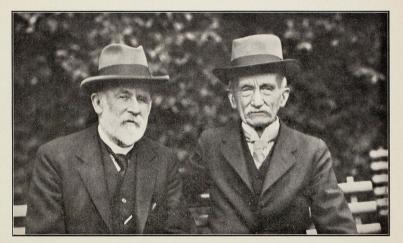
The President, Mr. H. E. Vaile, in accepting the custody of the building said that he, and members of the Museum Council, were deeply sensible of the trust so received, and that everything would be done to make the Museum a living force within the community, and to inculcate in the present and future generations a love of country, pride in the city, and a full appreciation of the sacrifices made by our soldiers.

The doors were opened in response to His Excellency's knocking with a carved mere, presented by the Architects, and the official party then entered the building followed by the next-of-kin of the fallen and later by returned soldiers and relatives.

In the evening a large gathering of naval, military, and civic representatives assembled and laid wreaths on the Cenotaph, bringing the day's ceremonies to a fitting close.

On the following day an important gathering of Maori Chiefs and their kinsmen from all parts of the province assembled to perform the ceremony of dedication of the large Ngati-maru meeting house Hotunui. Their Excellencies, the Governor-General and Lady Alice Fergusson, attended the function and loyal speeches of welcome were delivered by the chiefs, followed by brief addresses by the President and His Worship the Mayor.

The Governor then addressed the gathering, after which the "tomo" or dedication ceremony was performed by Tutanekai Taua, and the house was formally opened by Their Excellencies entering it.



MR. J. H. UPTON AND MR. H. B. MORTON
Photographed at the Sixtieth Anniversary of the Institute, November, 1927.

Membership.—Once again an increase in the membership is recorded. At the beginning of the year the roll stood at 612, including 142 Life Members: thirty-six names have been removed, 17, including six Life Members, by death, and 19 by resignation or for non-payment of subscriptions, while 67 new members have been elected. Nineteen members have paid Life Membership subscriptions and the membership now is 643, including 155 Life Members.

**Obituary.**—During the year the Institute suffered the loss of several deeply interested and generous supporters, including two senior members.

Mr. J. H. Upton, who joined the Institute in 1868, died shortly before the last Annual Meeting. As a member of the Council for 30 years, as President twice, and as member and Chairman of the Trust Board, he gave sterling service to the Institute and Museum by his wise counsel in administration and by contributions towards extension of the Museum collections.

The death of Mr. E. V. Miller removed another leading member, who, as President and member of the Council, took a keen interest in the progress of the society. Mr. Miller was particularly interested in the library and in the lectures and meetings of the Institute, and was a frequent contributor of important papers and lectures on physical research and philosophy.

The Institute also lost its only foundation member, Mr. H. B. Morton, whose record of sixty-lwo years' membership will seldom be equalled. We appreciate Mr. Morton's long continued support.

The council also records with regret the death of three benefactors of the Institute: Mr. John Marshall, whose generous gift of £550 was recorded in the last report; Dr. C. E. R. Bucknill, whose extensive collection of old English glass has long been admired by visitors; and Mr. S. J. Ambury, who bequeathed £250 to the Institute and Museum.

It is largely by such gifts as these that the progress of the Museum has been maintained during past years and the Council is deeply sensible of the donors' valuable support.

The Council further records with regret the deaths of Mrs. S. A. Moore-Jones, Mrs. J. Brown, and Messrs. F. J. Bealing, E. R. Bloomfield, S. Bradley, H. P. Kissling, Martin

Trenwith, J. Trounson, J. Dawson, H. P. R. Foster, and Captain D. E. Harkness, D.S.C.

Council.—Seven meetings of the Council have been hed during the year and four of the Trust Board. At a special general meeting held on 30th July, Mr. A. G. Lunn was elected a Trustee in the place of the late Mr. Upton, and Professor Thomas has been elected Chairman of the Trust Board.

Under the provisions of the Auckland War Memorial Museum Maintenance Act, the City of Auckland is now represented on the Council by His Worship the Mayor and three Councillors, and the other contributing Local Bodies by three representatives elected by the members of those authorities.

Finance.—The receipts for the year, excluding the balance brought forward, were £9,062/8/9. This included the first contribution of £5,700 from the supporting local bodies, £1.686/15/- from invested funds, and £682/10/from members' subscriptions.

The sum of £361/4/1, interest on deposit at call, was a welcome offset to the interest on overdraft and loans incurred last year in financing the show case contract. The amount received from the War Memorial Fund (£309/47/1) is to provide a bronze wreath for the shrine, the balance to go to the Roll of Honour Fund.

The past year's expenditure was exceptional and does not indicate our normal requirements, for such items as floor coverings and furniture, £7,477/10/9, display of specimens, £679/15/7; and opening ceremony, £123/16/5, are non-recurring or will not require such large amounts in future. On the other hand salaries, buildings and insurances, publications and school service will require more.

The statement shows a credit of £2,089/11/4, but this includes liabilities of £261/10/5 for floor coverings, and £309/17/4 in trust. £1,000 is required to be brought forward each year to meet the regular maintenance during April and May as our contributions from the Local Bodies are not payable until 30th June. About £250 will be required for installing a fire alarm system and £200 for further necessary equipment.

Invested Funds.—The Trust Board reports that the Investment Funds were  $\pounds27,575/4/2$  at the beginning of the year, £19,950 being lent on first mortgage, £6,900 in

debentures and £125/4/2 awaiting investment. £210 life members' subscriptions, and £189/8/7 from sales of land, increased the funds to £27,974/2/9.

The Balance Sheet shows the same mortgage and debenture investments as at the end of last year, with \$524/2/9 awaiting investment, of which \$500 has since been invested in local body debentures. The Board has also given consideration during the year to certain mortgage adjustments and extensions.

Meetings.—The session included, as usual, six public and three ordinary meetings. At the former, which were again delivered in the University College Hall, and were very well attended, the following addresses were given:

Mr. R. A. Falla, M.A.—"Life in the Deep Sea."

Mr. D. Brown, B.Sc .- "Colours of the Sky."

Mr. E. G. Jones, M.A., B.Sc.—"Time and the Calendar."

Dr. T. J. Hughes.—" How to Prevent Disease."

Dr. W. A. Fairclough.-" The Evolution of Vision."

Very Rev. H. K. Archdall, M.A.—" Science and Ultimate Truth."

The Council thanks the speakers for their interesting and much appreciated lectures.

At the ordinary meetings papers were read by:—Mrs. E. A. Hodgson, Mr. F. L. Armitage, Professor Bartrum, Mr. H. Carse, Dr. J. C. Andrews, Mr. A. B. W. Powell, Professor Worley, Mr. A. Philpott, and a joint paper by Professor Bartrum and Mr. Powell,

Research grants were held as follows:-

Mosquito Research Committee (Professor Thomas, Chairman; Mr. Armitage, Hon. Secretary; Mr. David H. Graham, Research Officer).

Waitemata Harbour Survey (Mr. Pycroft, Hon. Secretary).

Mollusca of New Zealand (Mr. Powell),

Chilopoda of New Zealand (Mr. Archey)

Constituents of Essential Oils of New Zealand Plants (Dr. Short).

Essential Oils of New Zealand Plants (Professor Worley).

The Library.—The valuable scientific library of the Institute is now adequately and safely accommodated, and is easily accessible by the lift at the main entrance to the building. The library room itself has been comfortably

furnished both for lectures and for reading and study. A systematic classification of the books and the preparation of a complete card catalogue are being proceeded with as quickly as possible.

Unfortunately, many members fail to make full use of the library, probably because they are unaware of its scope and the availability of its contents.

The list, printed on page 33, of books purchased during the year, and that of periodicals received (page 4), show that consideration is given to the general reader as well as to the research student. For the latter, there are technical periodicals and the latest advanced publications, while for the former there are general, even popular publications, and books giving the latest advances in knowledge.

By the liberal gifts of members, especially the Mackechnie Library Bequest, and by the judicious selection on the part of successive library committees, one of the most important scientific and historical libraries in the Dominion has been built up. There are over 8,000 volumes and many sets of valuable periodicals, all of which, with the exception of certain rarities, particularly in the New Zealand section, are available to members on loan.

The Annual General Meeting will be held in the Library, and it is hoped that members will, by attending the meeting, take the opportunity of making use of it.

Anthropology and Maori Race Section.—This section has had another successful session. The membership continued to increase, the total number being fifty.

The financial statement discloses a satisfactory balance.

The Committee for the year was:—Chairman: Mr. G. Graham. Miss Z. O. Lloyd, Messrs. G. Archey, R. A. Falla, A. T. Pycroft, and T. Simson. Hon Secretary and Treasurer: Mr. V. F. Fisher. Honorary Auditor: Mr. Ivo B. Esam.

The six ordinary meetings were the source of interesting discussions, while the public lecture by Mr. W. Thorpe, of the Australian Museum, which was arranged in conjunction with the Auckland Institute, attracted a large audience.

The Akarana Maori Association delivered a series of instructive lecturettes at a public meeting.

Lectures were given by:—Misses L. Cranwell and Z. O. Lloyd, Dr. R. W. Firth, Messrs, G. Graham, R. A. Falla, G. Archey, V. F. Fisher, W. W. Thorpe, and members of the Akarana Maori Association.

An event of great importance to the section was the opening of the War Memorial Museum. Now that the ethnological exhibits are properly displayed, interest in the section should be stimulated, while members will be afforded better opportunities of pursuing their studies.

Astronomical Section—The Auckland Astronomical Society, which is a Section of the Institute has, in its seventh year, a membership of 40. The seven popular lectures and one technical address given during the year were well attended by members and the general public. Contributors were:—Professor Burbidge, Mr. N. Alexander, Mr. A. C. Gifford, of Wellington, Mr. N. H. Good, Mr. Preston Chambers, and Mr. E. G. Jones.

The Observatory, which is unfortunately still in the somewhat unsuitable grounds of the Old Grammar School, has been open on fine Tuesday evenings to members and their friends. A small sum of money in hand, together with a substantial bequest that has been promised, will enable the Society to undertake the erection of a new observatory on a better site.

The Society is again indebted to Mr. J. P. Artha for preparing and reading at each monthly meeting a summary of approaching astronomical events, and also to the University College Council for the continued use of the telescope and the lecture room.

Agricultural Science Section.—At the beginning of the session two sectional meetings were held, at both of which the Chairman, Mr. F. L. Armitage, gave interesting addresses, illustrated by slides and cinema films. During the remainder of the session meetings were arranged in cooperation with the Institute, at the ordinary meetings of which the members of the section presented papers for discussion.

Additions to the Collections.—Much generous public support in the extension and improvement of the Museum collections has to be acknowledged. We have received 480 gifts and have recorded no less than eight additions to our

roll of major benefactions, and other gifts of considerable interest and importance have been received.

In the ethnographical department we have again to thank the President for important additions to the Vaile Collection, comprising greenstone hei matau, ear pendant, adzes and chisels, a bone hei tiki, a taumata or carved stone figure representing an agricultural deity, and wooden and stone bowls.

Mr. T. H. Barstow, whose father's gift in 1876, formed the nucleus of the Maori collection, has presented two fine old cance prows, three stern posts and an excellent teke teke. We have again to acknowledge the generosity of Mr. Moss Davis, from whom we have received attractive exhibits of Sèvres porcelain, and of ivory and silver, the latter including two magnificent cups presented by Mr. Davis to the Auckland Racing Club which has, with the donor's concurrence, placed them on exhibition in the Museum.

Two important accessions from the Pacific area are a series of elaborately carved memorial and dancing figures and other articles illustrating native life in New Ireland, secured by Mr. W. R. McGregor on his recent tour of investigation in Northern Melanesia, and presented by him to the Museum, and a collection illustrating the life of the Polynesian community in Ticopia, presented by Dr. R. W. Firth, by courtesy of the Australian National Research Council.

Another welcome gift is the choice collection of palaeolithic, neolithic and bronze age antiquities from Europe, made by the late Mr. William Mason Cole, of One-hunga, and presented to the Museum by his family. This valuable series will provide a much more complete display than we have hitherto had of the earliest human handicrafts.

The natural history departments have also received interpolar additions. The extensive collection of New Zealand and foreign shells, made by the late Mr. Charles Gooper, has been kindly presented to the Museum by Mrs. Cooper, Miss Gooper and Mr. A. N. Gooper, who have also given a number of ethnographical specimens and have lent important books and periodicals.

The Rev. W. H. Webster, now in England, who studied on mollusca 22 years ago has now presented the large collection of shells he made at that time, including the types of 21 new species. Both the Cooper and the Webster

collections contain material from the important dredging expedition off Great Barrier Island in 1904 by Messrs. Cooper, Webster, Heddey, Suter, and Murdoch. With these two additions and the large number of specimens, including 14 types transferred to the Museum by Mr. A. W. B. Powell from his own important collection, and the collections given by Mr. David H. Graham, and the Rev. F. Worley, we are on the way to making our conchology collection one of the most important in the country. It should be added that Mr. Powell has also deposited his own collection as a study and reference series.

The entomological department also has now been properly established through the generous gift of Mr. C. E. Clarke, of Dunedin, of the whole of his extensive collection, mainly of lepidoptera, but including most insect orders, of several cabinets and of important works of reference. Mr. G. V. Hudson, F.N.Z.Inst., also gave a large selected series of New Zealand lepidoptera. It is gratifying to know that these valuable entomological collections are under the expert care of Mr. Alfred Philpott, whose honorary service to the Museum is very much appreciated.

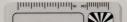
The Council also desires to acknowledge the Thomas Cranwell collection of ferns, presented by the collector's friend, Mr. Bell; a series of named algae, presented by Mr. R. M. Laing, F.N.Z.Inst.; a fine series of prepared specimens of New Zealand woods, from Mr. Edward Morrison; and timber specimens (especially a large rimu section), from the State Forest Service.

Acknowledgment is also due to the Cawthron Institute, the Geological Survey, Public Works Department, Dominion Museum, Waipu Colliery Company, State Collieries, the Vanadium Corporation of America, and the Portland Cement Company, for additions to the geology and palaeontology collections, and, in the war section, to Major G. R. Hutchinson, O.B.E., for his fine collection of French War Posters and other war souvenirs: to the Rev. Walter Averill and Dr. Leslie Averill for war trophies, and to the Department of Internal Affairs for a comprehensive series of official war photographs.

The Museum is much indebted to Major-General R. Young, C.B., C.M.G., D.S.O., General Officer Commanding N.Z. Military Forces, for authorising the issue to the war section of much needed material, including the uniform, arms and equipment of a New Zealand infantryman, and



INTERIOR OF THE MUSEUM, LOOKING ACROSS THE ENTRANCE HALL.



thanks are due, too, to officers at General Headquarters, Ordnance and Northern Command for their co-operation in expediting the preparation and delivery of the material

To the donors already mentioned, to those referred to offers very cordial thanks for their much appreciated gifts.

Mrs. R. Wilson and Mr. Edwin P. Mitchelson: Historic greenstone meres.

Mrs. E. H. Ingle: Burmese swords and arrows.

The Bishop of Melanesia: Large carved ceremonial bowl.

Mr. E. Earle Vaile: Replicas of the Vaphio gold cups. Mr. V. R. C. Mitford: Greenstone pekapeka.

Captain A. W. F. Fuller, of London: A beautifully carved and gold-mounted Javanese sword.

Miss Webster and Mr. Geo. Webster: A series of watercolours, illustrating life in the Solomon Islands, by the late Mr. John Webster, the donors' father.

Messrs. Donaghy's Limited: Flax and rope exhibit. Mr. C. F. Gardner: Large handsome greenstone mere

and feather cloak, deposited. King Rata Mahuta: Three handsome Maori cloaks.

Mrs. Beamish: Maori cloaks and Maori and Island weapons, deposited. Mr. R. A. Falla: Handsome feather cloak.

Mr. G. Moir Smith: Ethnographical articles from Papua. Mr. J. W. Brame: Two very fine old Maori cloaks.

Mr. John Solem: Old Norwegian silver-mounted drinking horn.

Rev. Riri M. Kawiti: Carved pare and greenstone and other ornaments, deposited.

Whitoi and Hapi Te Titaha: Greenstone mere, deposited

Messrs. Richards Brothers: Ethnographica from the Solomon Islands,

Museum Work .- The chief activity of the staff during the year centred in the preparation of the display and a brief account of this may be of interest.

In the Maori Court, the large meeting house, Hotunui, required much restoration and treatment with preservatives before its erection. The bases of the wall carvings and the

main threshold or puepue had to be replaced with new work carefully copied from the originals, and the reedwork panels, tukutuku, required considerable mending where they had not to be replaced altogether. The carvings, ridgepole and rafters were all thoroughly treated with preparations to destroy borer, and the thatch, besides being protected against insects and mould, was further treated with a fire-resisting compound, for the formulation and preparation of which we are indebted to Professor Worley and Mr. Kenderdine.

The carvings and tukutuku panelling were admirably restored by T. A. Chappé Hall, the thatching was done by Tu Hapi and Wiri Maihi, and the erection of the house and the large pataka, as well as the resetting of the war canoe, were efficiently carried out by Frank Quayle, the foreman carpenter.

The wall carvings of the house Rangithi have furnished an appropriate dado for the wall of the Maori Court. The war canoe has again been decorated with albatross feathers and will be provided with stern-post streamers when sufficient hawk feathers are available.

The unpacking of the collections could not be commenced until the building was nearly completed in June, which left insufficient time for their complete display by the end of November, the time fixed for the opening of the building. Nevertheless, by willing and sustained effort by the staff, each department had set up the greater part of its material in time, and while the success of the display should not be measured by its size or extent, but by its effectiveness in teaching, the fact that over 20.000 specimens have been placed on exhibition may be mentioned as an indication of the magnitude of the task completed within six months.

We have pleasure in acknowledging valuable outside help in arranging the collections. The Trustees of the Australian Museum very kindly made available for three months the services of their ethnologist, Mr. W. W. Thorpe, for whose skilful and attractive arrangement of Pacific and Australian collections, we are very grateful. The Director also desires to acknowledge the valuable assistance of Mrs. Donald E. Harkness in the American section. The Maori section was arranged by the Director, and the remainder of the ethnographical section by the Director and Mr. Griffin.

In the arrangement of the natural history section all members of the staff freely co-operated with one another, but in the main the geology and palaeontology departments were arranged by Mr. Firth and Mr. Powell, botany by Miss Cranwell and a group of her friends, conchology by Mr. Powell, fishes by Mr. Griffin, and general zoology by Mr. Falla, Mr. Griffin and the Director, who was also responsible for the war section.

Since the opening of the building there has been a resumption of, or rather an increase in, museum routine work and public services,

The first task has been the installation of storage cases and cupboards, which having been practically completed, progress is now being made with the systematic arrangement of our extensive study and research collections, a work which will occupy many months. Collecting excursions have been made by Miss Cranwell to Mt. Moehau and the Urewera, by Mr. Philpott to National Park, and by Mr. Powell to Nelson and Westland, and as a result extensive and important additions have been made to the natural history collections.

The following papers have been published by members of the staff:—

- Mr. Alfred Philpott: The Male Genitalia of the New Zealand Crambidae. Transactions New Zealand Institute, vol. 60.
  - Descriptions of Lepidoptera in the Canterbury Museum. Records of the Canterbury Museum, vol. 3.
- Mr. A. W. B. Powell: New Species of New Zealand Mollusca from Shallow-water Dredgings. Transactions New Zealand Institute, vol. 60.

Throughout the year information has been supplied to many enquirers and since the Museum has been open this service has greatly extended, the five professional members of the staff having answered more than 250 questions by letter, telephone or personal interview since the New Year.

The School Service has been definitely instituted, though, as yet, it is operating in only a small way. The first series of natural history groups has been sent out to the schools, and ethnographical material has been lent for special lessops. Lantern slides are being prepared and will

soon be available, and in the meantime parties of school teachers are being shown the exhibits by members of the staff, under arrangements made with the headmasters, whose Association has appointed a committee to co-operate with the Museum staff in the school service.

Attendances.—During each of the opening days the number of visitors was estimated at over 5,000 and in December the recorded attendance was 60,416. Since the new year the number of visitors has been well maintained, the weekly average being 8,000 during the school holidays since when it has remained steadily at 5,000.

School classes have been frequently brought to the Museum, and it is hoped that the development of the school service will result in an increase in class attendances, as well as individual visits of children to the Museum.



## AUCKLAND INSTITUTE AND MUSEUM

#### RECEIPTS AND PAYMENTS ACCOUNT.

31st March, 1930.

					£	S.	d.		£	S.	d
	1st April, 1929.							By	Salaries and Wages 4,862	7	1
0	Balance				9,770	19	2		Insurances, etc 54	. 8	
	Subscriptions-								Office Expenses 286	3	5
	Annual				443		0		General Maintenance Expenses 523	6	9
	Annual in Advance				18	18	0		Engagement Taxidermist Expenses 153	3	- 2
	Life Members				220	10	0		Library Expenditure 308	8	
	Interest-								Institute Expenses 126	12	
	Mortgage				1.287	10	0		Preserving and Display Expenses 679	15	
	Mortgage in Advan				0	5	0		Sundry Expenses	12	1
					399	0	0			16	
	N.Z. Insurance Co.,	at Call			361	4	1		Specimens—		
	Contributions from L	ocal Bod	ies		5.700	0	0		Purchase 230	18	
					26	16	8		Collecting and Travelling Expenses 171	8	
	Auckland Provincial W				309	17	1		Furnishings	6	
	Receiver Land Revent	10							Showcases	4	
	Sales				189	8	7		Buildings	16	
	Rent and Interest				58	17	9		Transfers-		
	Sundries				46	19	7		Investment Account 189	8	
									Life Subscriptions Account 210	0	
								- 11	Balance, 31st March, 1930 2,089	11	
						-	-				
				£	18,833	7	11		£18,833	7	1

GILBERT ARCHEY, Treasurer.

AIM Ann Report 1929 to 1930

		£	S.	d.		£	S.	d.
Salaries and Wages		4.862	7	1	Subscriptions—			
Insurances, etc		 56	6	0	Life Members	220	10	0
Preserving and Display		663	18	2	Annual	549	3	0
Office and General Expenses		949	4	9	Interest—			
Institute Expenses		127	18	11	Debentures	399	0	0
Sundry Expenses		19	12	10	Mortgage	1.287	10	0
Opening Ceremony		123	16	5	N.Z. Insurance Co., at Call	361	4	1
Subscriptions Written Off		54	12	0	Receiver Land Revenue	58	17	9
Transfers-					Sales ·			
Investment Account		189	8	7	Receiver Land Revenue	189	.8	7
Life Subscriptions, Capital	Account	220	10	0	Contributions, Local Bodies	5.700	0	0
Balance		1,881	12	0	Donations	26	16	8
					Auckland Provincial War Memorial Comp		17	- 1
					Sundries		19	
		£9,149	6	9		£9,149	6	9

GILBERT ARCHEY, Treasure

At the time of printing the Certificate of the Controller and Auditor-General as to the correctness of the Accounts was not at hand.

#### MACKECHNIE LIBRARY BEQUEST ACCOUNT.

MACKECHNIE	LIBRARY	BEQUEST ACCOUNT.
To Bank Charges	s. d. 10 0 15 0 18 6	1st April, 1929. £ s. By Balance
£138	3 6	£138 3
SIR JAMES	GUNSON	TRUST ACCOUNT.
	s. d. 4 0	1st April, 1929.  By Balance
£142	4 0	£142 4
MUSEUM	ENDOW	MENT ACCOUNT.
To Bank Charge		14 April, 1929.   E   8.
LIFE MEMBERS' S	UBSCRIP	TIONS, CAPITAL ACCOUNT.
	s. d. 5 0	St. April, 1929   St. April,
61 941	6 5	£1.941 6

GILBERT ARCHEY, Treasurer.

### AUCKLAND INSTITUTE AND MUSEUM

#### BALANCE SHEET.

lumlumlumlum »

	3	s.	d.			£	S.	d.	£	S.	d
	. 422,093		5	Buildings-							
	12,693	11	5	1st April, 1929 Additions 1929/30		221,588	6	3			
		4	0	Additions 1929/30		1,340	0	2	202 000	6	
			6	Furniture and Fittings-					222,928	.6	
			9	1st April, 1929		22.384		0			
sundry Creditors	. 104	1.5	2	Additions 1929/30		7,478	2				
	1.0	18	0	Additions 1929/30		7,478	1.7	39	29,862	10	
Montage Total	. 18		0	Collections-					20,002	1.00	
ncome and Expenditure Account—				1st April, 1929		150,000	0	0			
Balance 1/4/1929 £353 9 1	0			Additions 1929/30		474	1.6				
Balance 31/3/1930 1,881 12				Additions 1525/50		474	1.0	.0	150,474	16	
	- 2.235	- 1	10	Library Books-					100,474	10	
				1st April, 1929		5,000	0	0			
				Additions 1929/30		308	8	4			
									5.308	8	
				Investments-							
				Mortgages					19,950	0	
Contingent Liability—				Debentures					7,500	0	
Tonson Garlick, Ltd., Floor Covering	g			Sundry Debtors-							
Contract, £261/10/5.									172	4	
									276	-4	-1
				Cash at Bank-							
				Working Account .					2,089		
				Gunson Trust Account					142	4	
				Mackechnie Bequest Acc	count				10	18	
				Investment Account .					524	2	
	£439,239	16	8						£439,239	16	

GILBERT ARCHEY, Treasurer,

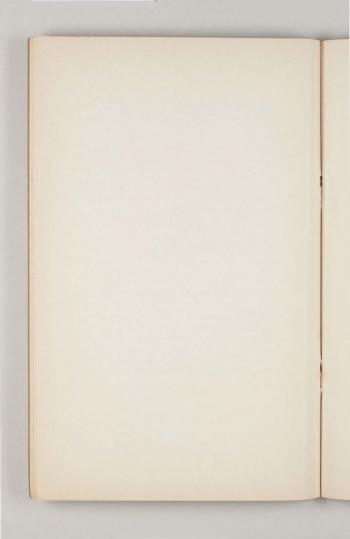
The Auckland Institute and Museum is an educational institution which gives free service to the whole community throughout the year.

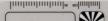
Money is urgently needed to widen its activities and increase its service to the community by the spread of knowledge among present and future citizens.

If additional help cannot be given now, a bequest would be of great value.

## Form of Bequest

I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £ free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.





## List of Benefactions

made to the

## Auckland Institute and Museum

of an amount (or value) exceeding £50

£2,026 subscribed by the citizens of Auckland towards meeting the cost of the first Museum Buildings. (This sum included two donations of £500 each from Mr. Justice Gillies and the Hon. J. Williamson.)

Presentation made by Mr. R. C. Barstow of a large and varied collection of Maori articles, including flax and dog-skin cloaks, carrings, greenstone ornaments, bone and stone meres, fish-hooks, etc., etc.

Bequest from Mr. G. F. Edmonston of 564 volumes of standard

Donation from Mr. T. Russell, C.M.G., of 34 plaster-casts and busts from the antique.

£106 donated by Mr. J. C. Firth to cover the expense of showcases in the Museum.

Mr. J. T. Mackelvie presented 260 volumes of books relating to the early history of New Zealand; 130 volumes of miscellaneous scientific works; a collection of ethnographical specimens from the Swiss Lake Dwellings; and 40 picked mineral specimens.

Bequest from Mr. Edward Costley of £12,150.

Bequest from Mr. David Nathan of £100.

1887

Bequest of Maori articles from Mr. C. O. Davis, comprising dogskin and feather mats; taiahas, paddles, spears, bone and wooden meres; carved boxes; and a variety of other articles.

Donation of £100 from Mr. T. Russell, to cover the expense of forming a collection of geological specimens from the Cape Colville

Japanese Shinto Shrine, elaborately lacquered and decorated, presented by Mr. L. D. Nathan.

#### 1901-1902.

£1,000 subscribed by the citizens of Auckland for the purchase of the Mair Collection of Maori Ethnographical Articles.

#### 1902-1903.

Bequest of £2,500 from Mr. E. A. Mackechnie (£2,000 to be invested in order to produce an income for the purchase of books for the Library of the Institute; £500 to be expended in providing groups of the larger mammals and the necessary show-cases.)

#### 1906-190

£662 subscribed by the citizens of Auckland for the purchase of Mr. Fenton's elaborately carved Pataka, and for the purchase and erection of the Runanga House, Rangithi.

#### 1911-1912

£684 subscribed by the citizens of Auckland for the purchase of ancient historic Maori Carvings; and for other additions to the Museum.

#### 1943.

Bequest of £1,000 from Sir John Logan Campbell.

Donation from Mr. Henry Shaw of 62 volumes of Geographical and Scientific works, and of 110 volumes from Mr. F. Shaw.

Unusually large and complete collection of Kauri Gum, containing 400 examples, together with the plate-glass show-case containing the same, presented by Sir Edwin Mitchelson.

#### 1917

Series of 79 specimens of Old English Glass, ranging from the time of the Roman occupancy of Britain to the middle of the eighteenth century. Presented by Dr. C. E. R. Bucknill.

#### 1916.

Gollection of 131 specimens of Japanese Ivories, Bronzes, and choisonne, many possessing considerable ethnographical and artistic value. Presented by Mr. Henry Shaw.

#### 1917.

Gollection of 120 Ethnographical specimens, 55 being of Maori origin, and including several rare and valuable articles, the remainder Polynesian or Melanesian. Bequeathed by Miss Ruth G. Northeroft.

#### 1919.

Series of 89 Ethnographical specimens from North-west India, comprising swords, daggers, knives, shields, etc.; also many fine art objects. The collection was originally formed by the late Mr. J. E. Yates, and was presented to the Museum by his daughters, the Misses Yates.

#### 1920.

Collection of Skins of North American Mammals, obtained in Alaska, comprising specimens of the Alaskan Brown Bear, the Black Bear, the Moose, and the Bighorn Sheep. Presented by Mr. James Dunning.

#### 1921

Valuable Collection of Ancient Maori Ethnographical Specimens, including (among other articles) three of the exceedingly rare Maori

God-sticks; one remarkably fine Onewa mere; one large and massive Hei Tiki; one carved flute; three large carved fish-hooks, with the original lashings, etc., etc. Presented by the late Mr. W. A. Aldred.

Large and valuable collection of Ethnographical Specimens from the Fiji Islands and parts of Polynesia, containing many specimens representative of most branches of Melanesian Ethnography. Presented by Mr. J. B. Turner.

£115 donated by seven members of the Institute towards the purchase of two large and remarkably fine Chinese Temple Bronzes, for the Ethnographical portion of the Museum.

#### 1923.

Bequest of £1,000 from Sir W. H. Herries.

#### 1924

Valuable collection of Melanesian Ethnological Specimens from Fiji and the Solomon Islands. Presented by Mr. William Sutherland, LS.O.

Valuable Collection of Melanesian Ethnological Specimens from Fiji and the New Hebrides. Presented by Mr. A. C. Caughey.

Collection of important Ethnological Specimens from the Bismarck Archipelago. Presented by Mr. R. A. Meek.

Large collection of rare Greenstone and Bone Maori Implements and Ornaments, from the North Auckland District. Presented by Messrs. Samuel Vaile and Sons, Limited.

Collection of twenty-two fine pieces of Satsuma Porcelain, previously deposited in the Museum by the donor. Presented by Mr. Henry Shaw.

The well-known Edge-Partington Collection of over 2,000 specimens of Australian, Melanesian, and Polynesian ethnology. Presented by Messrs. Selwyn Upton and Mr. W. Cecil Leys as a memorial to their father, the late Dr. T. W. Leys.

£697 46s 0d subscribed by the Citizens of Auckland for the purchase of important Maori Collections for the Museum.

#### 1925.

Large and valuable collections of Maori and Pacific Island ethnological exhibits. Presented by Mr. F. Crossley Mappin.

£100 16s 11d subscribed by nine members for the purchase of an important Maori collection.

#### 1926.

Bequest of £1,000 from Mr. David Goldie.

Elaborately carved old feeding funnel, waka huia, and greenstone hei-tiki, adzes and pendants. Presented by Mr. Geo. F. Webster.

Collection of silver and bronze coins representing all British reigns from William I. Presented by Mr. H. R. Butcher.

Large collection of Mollusca and other zoological specimens, also of microscopic slides. Presented by Mrs. E. M. Ball, on behalf of the late Mr. Thomas Ball.

Collection of Oriental ceramics representing the earliest stages of development of Chinese art. Presented anonymously.

£418 6s. 40d. Balance from Sir James Gunson Presentation Fund; designated by Sir James Gunson for the purchase of specimens of Maori arts and crafts.



1927.

Bequest of £1,000 from Mr. F. Shaw

Valuable Maori Carvings. Presented by Mr. F. Crossley Mappin. Large and valuable collection of Maori and foreign ethnographical specimens. Presented by Mr. Moss Davis.

#### 1998

Large and richly carved feather box, added to the Dr. T. W. Leys Memorial Collection by Mrs. Selwyn Upton and Mr. W. Geeil Leys. Large collections of ethnographical specimens from Nigeria and

New Guinea. Presented by Mr. J. R. Adams Wilkes.

Extensive Maori and Melanesian ethnographical collection made by the donor's father, the Rev. Dr. Kinder. Presented by Mr. Harry Kinder.

Large and important collection of Maori carvings in pumice and of implements and weapons from the Bay of Plenty, and a series of ethnographical specimens from Egypt, Palestine, and India. Presented by Mr. E. Earle Vaile.

Large collection of New Zealand and foreign mollusca. Presented by Mrs. Lushington.

1929.

Bequest of £250 by the late Mr. S. J. Ambury.

Maori Carvings, including canoe prows and stern-posts. Presented by Mr. T. H. Barstow.

Ethnographical Collection, including elaborately carved memorial and dancing figures from New Ireland. Presented by Mr. W. R. McGregor.

The Charles Cooper Collection of New Zealand and foreign mollusca. Presented by Mrs. Cooper, Miss Cooper and Mr. A. N. Cooper.

Extensive Collection of New Zealand and foreign mollusca. Presented by the Rev. W. H. Webster.

Large and valuable collection of Lepidoptera and other orders of insects, together with cabinets and important works of reference. Presented by Mr. C. E. Clarke.

The William Mason Cole Collection of palaeolithic, neolithic and bronze age weapons, implements and ornaments. Presented by members of his family,

A series of Water-colour Paintings, illustrating early life in the Solomon Islands, by the late John Webster. Presented by Miss Webster and Mr. Geo. F. Webster.

## Additions and Donations

to the

## Library and Museum

Parliamentary Papers and Reports: New Zealand Hansard, 1929; Monthly Abstracts of Statistics, 1929; Journal of Agriculture, 1929; New Zealand Year Book, 1929:—The New Zealand Government

Dominion Museum Monographs and Bulletins:-The Director. Monthly Bulletins of the Hawaiian Observatory:—The Observatory. Volcano Letters:—The Observatory, Hawaii.

Volcano Letters:—Efte Observatory, Hawaii,
Journal Pan Pacific Research Institution:—The Institution.
Bulletins Pan Pacific Union;—The Union.
Bulletins Pan Pacific Union;—The Union.
Kew Bulletins;—The Director.
The Masterkey:—South-west Museum, Los Angeles.
The U.S. Department of Agriculture Bulletins and Circulars.
Journal of the Arnold Arboretum:—The Director.
Bulletins of the South California Academy of Sciences:—The Director.
Bulletins and Reports:—Department of Mines, Canada.
Maiden, T. H., A Critical Revision of the Genus Encalyptus.
Bulletins of the Council of Scientific and Industrial Research,
Melbourne. Melbourne

Annuaris Observatoris Nacional de Rio de Janeirio. Bulletins and Reports:—The Metropolitan Library, Pekin. Reports, etc., of the American Museum of Natural History Studies in Natural History:—University of Iowa.

Memoirs and Proceedings of the Manchester Literary and Philosophical Society, 1927-1928:—The Society.

Australian Naturalist:-The Editor Bulletins Leicester Museum.

Bulletins of the Ontario Museum:—The Director.
Publications Puget Sound, Biological Station:—The Editor.
Annual Report and Bulletins of the U.S. Bureau of Ethnology.

Australasian Antarctic Expedition Reports. Bulletins la Société Etudes Oceaniennes:—The Director, Bulletins, The Technological Museum, Sydney:—The Director

Observations and Investigations made at the Blue Hill Meteorological

Observatory in the year 1928:—The Observatory. Museum Notes:—Vancouver City Museum, The Australian Zoologist:—The Editor.

The Australian Zoologist:—The Editor,
Meleorological Observations:—The Observatory, Cambridge, Mass.
Proceedings of the Royal Society of Queensland:—The Society,
Field Museum of Natural History, Zoological, Anthropological and
Bolanical Series:—The Director,
Proceedings and Bulletins:—The U.S. National Museum.
Cawthron Lectures:—The Institute,
Report of the Zoological Society of London 1928:—The Society,
Report of the Gouncil of the Ray Society, 1929.—The Society,
Report of the Imperial Institute:—The Director.

Proceedings of the Linnean Society of New South Wales: - The Society, Catalogue, City of Shefiield Mappin Art Gallery.
The Proceedings of the Royal Society of Victoria:—The Society.
Memoirs of the Queensland Museum:—The Museum. Bulletins of the Bishop Museum:-The Director. Builetins of the Bishop Museum:—The Director.

Records of the Australian Museum:—The Director.

Research Studies:—The State College of Washington.

Builetins of the Ontario Museum of Zoology:—The Museum,

The Australian Zoologist:—The Zoological Society of N.S.W.

Guide to the Collection of Weish Bygones:—Nat. Museum of Wales.

Bulletins New Zealand Geological Survey:—The Director.

Memoirs of the Australian Museum: "The Director. Memoirs of the Australian Museum:—The Museum Records of the Canterbury Museum:—The Curator. Anales del Insituto Geologico de Mexico:-The Institute. Guide to the Museum and Its Contents:-National Museum of Wales. Proceedings and Transactions of the Nova Scotia Institute of Science. Annales of The Societé Royale Zoologique de Belgique, 1927. Bulletins Leicester Museum and Art Gallery :- The Director Records of the Australian Museum. Report of the Department of Mines, 1927:—Western Australia, Report of the Australian Association for the Advancement of Science. Yorkshire Philosophical Society.

Annual Report of the Otago University Museum.

Public Library and Museum, Victoria,

Public Sophical Institute of Canterbury.

Free Public Museums, City of Liverpool.

Leicester Museum.

Manchester Museum

Queen Victoria Museum, Launceston National Museum of Wales

Belfast Philosophical Society Natural History Museum of New York Canterbury College.

The Crerar Library.
The City of Norwich Castle Museum.
Wanganui Museum.

Rhodesia Museum Technological Museum, Sydney,

Australian Museum. Public Library Museum, Victoria. National Museum of Ireland.

BOOKS PRESENTED.

Australian Aboriginal Art: Nat. Museum of Victoria. Gothein: A History of Garden Art, 2 Vols.:-Mrs. J. P. Campbell. Inigo-Triggs: The Art of Gardening in Italy: -Mrs. J. P. Campbell. Gaulter: The Riddle of Nature:—Mr. Andrew Gray. Mushet: On the Bank:—Mr. Henry R. Butcher. Brandis: Geology:-Mr. Henry R. Butcher. Mackenzie: Phrenology:—Mr. Henry R. Butcher Jameson: Mineralogy:—Mr. Henry R. Butcher. Foster: Decision of Character: -Mr. Henry R. Butcher.

#### BOOKS PURCHASED

British Antarctic (Terra Nova) Expedition, 1910, Vol. 6, No. 4; Vol.

Born: Einstein's Theory of Relativity Larmor: Mathematical and Physical Papers Bridgman; The Logic of Modern Physics

Crowther: Molecular Physics and The Electrical Theory of Matter. Rawlings and Taylor: Infra-red Analysis of Molecular Structure.

Royds: Heat Transmission by Radiation, Conduction, and Convection,

Ladd-Franklin: Colour and Colour Theories.

Newman and Searle: The General Properties of Matter,

Bragg: An Introduction to Crystal Analysis. Haldane: Gases and Liquids. Hatschek: The Viscosity of Liquids. Lawrence: Soap Films.

Flint: Wave Mechanics Schrodinger: Four Lectures on Wave Mechanics

De Broglie and Brillonin: Selected Papers on Wave Mechanics. Haas: Wave Mechanics and the New Quantum Theory

Chamberlain: The Two Solar Families

Admirally Handbook of Wireless Telegraphy, 1925. Rateliffe: The Physical Principles of Wireless.

Butler: The Chemical Elements and Their Compounds. Travers: The Discovery of the Rare Gases Sosman: The Properties of Silica.

Evnon and Lance: Starch.

Haworth: The Constitution of Sugars

Waldschmidt: Enzyme Actions and Properties Hilditch: Catalytic Processes in Applied Chemistry. Schoen: The Problem of Fermentation.

Ernst: Fixation of Atmospheric Nitrogen

Reinthaler: Artificial Silk.

Brown and Crawford: A Survey of Nitrocellulose Lacquer. Clapperton and Henderson: Modern Paper-making

Haas and Hill: The Chemistry of Plant Products.

Ambroun: Elements of Geophysics. Pautsch: Methods of Applied Geophysics. Tyrrell: The Principles of Petrology.

Lindgren: Mineral Deposits

Dunn: Geology of Gold

Bowen: The Evolution of the Igneous Rocks. Marmer: The Tide.

Heritsch: The Nappe Theory in the Alps.

Sutton: Diamond:-A Descriptive Treatise

Fox: Bauxite

Emerson: Agricultural Geology. Comber: An Introduction to the Scientific Study of the Soil.

#### BIOLOGY

The Challenger Society: Science of the Sea

Rolleston: Aspects of Age, Life, and Disease. Hogben: The Comparative Physiology of Internal Secretion. Amoss and others: Filterable Viruses

Gushman—Foraminifera: Their Glassification and Economic Use. Savory: The Biology of Spiders.

Imms: A General Textbook of Entomology

Comstock: The Wings of Insects.

Meyrick: A Revised Handbook of British Lepidoptera Peckham: Wasps, Social and Solitary.

Peckham: Wasps, Social and Solitary.

Needham and others: Leaf Mining Insects.

Myers: Insect Singers; A Natural History of the Cicadas.

Donisthorpe: The Guests of British Ants; Their Habits and Life-

histories

Wardle: The Problems of Applied Entomology

Howard: An Introduction to the Study of Bird Behaviour. Wardle: The Principles of Applied Zoology.

Bose: The Motor Mechanism of Plants

Brooks: Plant Diseases.

Martin: The Scientific Principles of Plant Protection.

Hale: Crustaceans of South Australia.

#### ANTHROPOLOGY.

Huntington: The Human Habitat,

Lowrie: Primitive Society.
Miller: The Child in Primitive Society.

Perry: The Growth of Civilisation. Frazer: The Devil's Advocate.

Hull: Folklore of the British Isles.
Butt-Thomson: West African Secret Societies.
Dawson: The Custom of Couvade.

Malinowski: The Sexual Life of Savages in North-western Melanesia,

Budge: A History of Ethiopia. Jenness: The People of the Twilight

Chi Li: The Formation of the Chinese People

Schebesta: Among the Forest Dwarfs of Malaya Rutter: The Pagans of North Borneo.

Boule and others: Archives de l'Institut de Paléontologie Humaine. Foster: Travels and Settlements of Early Man.

Breuil and others: Rock Paintings of Southern Andalusia. Burkitt: South Africa's Past in Stone.

Childe: The Most Ancient Eas

Wooley: The Excavations at Ur and the Hebrew Records.

Hall: The Civilisation of Greece in the Bronze Age (The Rhind Lectures,

Jouquet: Macedonian Imperialism and the Hellenization of the East.

Havell: Indian Sculpture and Painting.

Canziani: Through the Apennines and the Lands of the Abruzzi.

Simpson: The Heart of Libya.

Stein: On Alexander's Track to the Indus; Indian Archaeological Survey.

Gann: Discoveries and Adventures in Central America. Puxley: The Magic Land of the Maya.

Wilkins: Undiscovered Australia.

Stapledon: Tour in Australia and New Zealand, Beebe: Beneath Tropic Seas.

Nordenskjold and Meeking: The Geography of the Polar Regions

Wilkins: Flying the Arctic

#### ECONOMICS, PSYCHOLOGY, AND PHILOSOPHY.

Stamp: Some Economic Factors in Modern Life.

Knibbs: The Shadow of the World's Future

Hautrey: The Gold Standard in Theory and Practice Taussig: International Trade.

Sykes: The Present Position of English Joint Stock Banking. Clark and others: Adam Smith, 1776-1926.

Marshall: Official Papers

Macleod: The American Indian Frontier.

Condliffe: Problems of the Pacific

Leary: Modern Psychology

Leary: Notichar Psychology, Berry: Brain and Mind, or The Nervous System of Man, Coghill: Anatomy and the Problem of Behaviour, Hocking: The Self; ils Body and Freedom. Stapledon: A Modern Theory of Ethics. Melbougali: Ethics and Some Modern World Problems.

Taylor: David Hume and The Miraculous

Morgan: Life, Mind, and Spirit.

Whitehead: Religion in the Making; Lowell Lectures, 1926.

Bailey: The Greek Atomists and Epicurus. Sullivan: The Bases of Modern Science,

Noble: Purposive Evolution

McDougall: Modern Materialism and Emergent Evolution Lossky: The World as an Organic Whole Hasan: Realism.

Muirhead: The Use of Philosophy. Haldane: The Sciences and Philosophy. Driesch: The Science and Philosophy of the Organism

#### MUSEUM ACCESSIONS.

Agricultural Department: Specimens of varieties of Maize Cobs. Nine cases on loan to Botanical Department. Messrs. D. N. & A. T. Ariell: Three Fishing Weights. Mr. A. Alcock: Four pieces of Mottled Tea-Tree.

Capt. N. Angus, N.Z.R.B.: Collection of War Material and Samoan Clubs.

Mr. F. M. Andrews: Korowai Gloak and Stone Adze,
Mr. G. Anderson: Kumara Weeden,
Mr. A. Armstrong: Garved Nose Flute,
Mr. H. G. Atkinson: Stone Adze, Gook Islands,
Auckland E. seevice Women's Association; Flags flown over N.Z. Soldiers' Club at Salisbury, and Russell Square, London; two Glass

Auckland Zoological Park: Geoffroy's Marmoset; Cobalt variety of Grass Parakeet; Arctocephalus hookeri; Geoffroy's Marmoset Australian Museum: Casts of Polynesian Adzes.

Rev. W. W. Averill and Dr. L. C. Averill; Collection of War Trophies, from France and Palestine, including British and German Revolvers and Pistols

Mr. G. A. Atkins: Stone Pounder; Map of Town of Le Quesnoy, issued to attacking troops.

Malayan Silver Ware and ethnographical Alma Baker: articles; Drinking Bowl

Mr. T. Baker: Two Fern Pounders

Mr. L. Baklich: Specimens of Gum

Mr. E. A. Barnes: Token. Mr. F. Barnes: Volcanic Dust, from Ngauruhoe, 1909

Mr. T. H. Barstow: Two Carved Canoe Prows, three Stern Posts and one Tekoteko.

Mr. A. B. Barter: Fine Greenstone Adze, found at Raukokore

A. Bartrum: Seven Plant Fossils and three Molluscan Fossils, Waikato Heads.

Mr. F. Bauer: Set of Dresden Porcelain Replicas of Saxon Coins, per Mr. Moss Davis, London. Mrs. Beamish: One Taiaha, three Maori Cloaks, and Maori and Pacific

Ethnographical Articles, deposited

Mr. H. Beckett: Collection Bronze Coins

Colonel Allan Bell: Maori Articles and Natural History Specimens

Mr. J. Bell: Two Adzes, Kennedy Bay

A. C. Bell: Specimen of Neochanna apoda.

Mr. Thomas Bell: The Thomas Cranwell Collection of N.Z. Ferns.

Miss E. J. Bellhouse: Articles of Indenture, 1820. Mr. W. Berridge: Kumara Weeder.

Dr. Beveridge: Greek Kylix or Wine Cup.

Bishop of Melanesia: Exceptionally large and well used Food Bowl,

Mr. J. J. Bishop: Specimens of Gordian Worms. Mr. W. H. Black: Greenstone Chisels, Pendants, Greenstone and Stone

Mr. E. H. Blundell: Maori Skull, Sharpening Stone and Fossil Timber, from the Ship "Boyd."
 Mr. H. C. Blundell: Five Stone Adzes.

W. Bolton: Woman's Hat of Bamboo, Man's Hat of "Aiho,"

Mr. F. Bowers: Wooden Weapon found on beach at Te Hopi, five Adzes and one Fishing Weight, Coromandel

Mr. J. W. Brame: Two very fine old Maori Cloaks. Mr. W. J. Branch: Rocks and Fossils, from Picton District.

Mr. Geo. Briers: One Stone Adze

Mr. H. B. Bronlund: One Hoanga and two Adzes, Coromandel Mrs. G. Brownlee: Seventeen Water-Colour Studies of N.Z. Flora, deposited

Mr. Gus. Brown: German Lapel Numbers and Belt Buckle, from

Mr. Maihi T. Brown: Water Gourd, Kawakawa

Mr. G. W. Budd: Old Iron Pot, Bay of Islands. Mr. H. D. Buddle: Specimens of Rare Fishes from Great Barrier and Hauraki Gulf.

Capt. H. Burgess: Stone Adze, from Tikopia Island.

Mr. Burton: Native Canoe, Solomon Islands Mrs. Campbell: Portion of a Concretion.

Mr. W. H. Carter: Set of Models of Instruments of Punishment. Cawthron Institute: Specimens of Slate from the Buller River, and

Rock Crystal from Takaka.

Mr. H. Chaffey: Series of Rock Samples, Mt. Arthur District,

Mr. P. E. Cheal: Sinker, two Adzes, and Fossil Oyster. Mr. J. P. Church: Five Stone Adzes, Hokianga.

Mr. A. Clark: Spanish Coin, small Native Metal Charm, from Fez, Morocco.

Mr. C. E. Clarke: Extensive and important collection of N.Z.

The William Mason Cole Collection of European Stone Age Implements and Weapons, and Ethnographical Material from several

Mr. H. R. Cook: Sap Kauri shewing Kauri Gum, Whangarei.

Mrs. Chas. Cooper and Family: The Charles Cooper Collection of New Zealand and Foreign Shells, also Ethnographical and Natural History Articles.

Miss H. M. Cooper: Melanesian Spear and Long Rod used in certain games

Mrs. H. M. Costello: Carved Canoe Paddle, deposited.

Mr. S. Henare Cooper: Two pieces Kauri Gum, two Stone Adzes, one Ko. Wajomio.

Miss Lucy Cranwell: Stone Fishing Weight, Muriwai; Human Skulls, Adze, Moa Bones, and Wood Opal, Coromandel; Arrows, Santa

Mr. Thos. Cranwell: The Cranwell Collection of New Zealand Ferns, Presented by Mr. Thos. Bell.

Mr. J. Grump: Specimen of Kelp Fish, Chironemus marmoratus.

Mr. John Cullen: Collection of Maori Specimens and European Articles of historical interest.

Messrs Davis Bros.: Kumara Weeder, deposited; four Ko, two Ko

Captain G. Humphreys-Davies: Model of House of North Sumatra; Edible Swallow's Nest; Blow Pipe and Quiver of Poisoned Darts, from Sikkim. Mr. Moss Davies: Series of valuable specimens of Sèvres Porcelain;

Silver Armistice Medal; and Maori Carving; The Goodwood Cup of 1852. Mr. W. C. Davies: Enlarged Photographs of Gravel Pits and of New

Zealand Wetas

Mr. F. Day: Old Verge Watch

Lieut. H. A. De Lautour: German Land Mine Fuse.

Mr. A. Denize: Obsidian Flakes, Coromande Miss S. Dingwell: One Korowai Cloak, one Old Taniko Border Cloak

Dominion Museum: Collection of Tertiary Fossils, from White Rock River and Palliser Bay.

Messrs, Donagly's Ltd.: Manufactured Rope, Twine, etc., from

Phormium tenax. Donald: Collection of Melanesian and Maori Ethnographical

Articles, and Javanese Hat. Mr. C. W. Dover: Specimen of the Gaff-topsail Catfish, Panama. Mr. S. L. Dunn: Wooden Spade, two Kumara Weeders, and Greenstone

Scraper, from Kaitaia; Kiwi Feather Mat Mr. H. Dutton: Collection of Melanesian and Papuan Spears.

Mrs. E. R. J. Dyer: Old Wooden Bowl, Cook Islands.

Mr. J. Eastwood: Facsimile of Magna Carta and of Execution Warrants

of Charles I., and of Mary Queen of Scots.

Mr. J. Taku Edmunds: Fish Hook, Stone, Adze, Greenstone Pendant.

Egypt Exploration Society: Series of Egyptian Antiquities, from El

Resident Engineer, Arapuni: Comprehensive Collection of Rocks from the Arapuni District

Mrs. O. H. Ernest: Specimen of Silk Tapestry

Mr. W. Evans: One Kumara Weeder, one Stone Mere

Mr. A. Evans: Two Fishing Weights, seven Adzes, Coromandel

Mr. R. A. Falla: Kaka Feather Cloak, Te Awamutu.

Mrs. Geo. Felton: New Zealand Ensign flown at Jersey throughout the War

Miss G. Fenton: Three North American Indian Arrow Heads, New

Capt. D. Ferguson, M.C.: German Map of Battle Ground of the N.Z. Division

Mr. G. G. Findlay: Set of Royal Autographs and other old documents. Mrs. and Miss Finlayson: Four Stone Adzes, Waipu.
Dr. R. W. Firth: Large collection of Ethnographical Specimens.

Eastern Solomon Islands; set of Photographs of Ethnographical Specimens in European Museums.

Fisherman's Co-op. Association: Tunny, Neothunnus sp. Dr. F. Fitchett, C.M.G.: Stone Adze, from Kawhia.

Mrs. F. Fitchett: Old Swiss Carvings, and a Carved Coconut, from

Miss K. Fitzgerald: Fossil, from Kerikeri

Mr. A. H. Fletcher: Iron Ore, Collingwood District.
Master A. Fletcher: Four Maori Stone Adzes, Goromandel.

Mr. S. Fletcher: One Fern Beater, Para Para.

Mrs. E. Foley: One Stone Adze, Kaitaia, Mr. P. Foley: One Greenstone Pendant, Kaitaia; Brown Bess Musket,

from Waterloo

Forestry School, University College: Specimen of Rimu Timber.
Mr. G. Forsythe: Medal Commemorating British Naval Victory, "The

Taking of Porto Bello in 1769 Mr. A. Frost: Canoe Paddle, Te Puna. Captain A. W. F. Fuller, London: Richly Carved and Ornamented

Mr. John Gale: Figure-head of Small Canoe, belonging to King Mahuta.

Mr. P. E. Gammon: Hammer Axe and Grindstone, Te Kuma Mr. P. R. Gardner: Greenstone Mere, Feather Mat, Wanganui, deposited.

Mr. J. Garnier: Engraved Dagger Blade, Egyptian Desert.

W. George: Tied Stem of Kauri.

Mr. F. G. Gibbs: Rocks and Minerals, from Wairoa Gorge and vicinity of Nelson

Mrs. Gore Martin: Royal Flag of King Thakombau, Fiji.

Mr. G. V. Gow: Specimen of Bowdleria punctata Mr. T. Gracie: Carved Walking Stick, Pukepoto.

Mr. David H. Graham: Considerable number of Maori and Melanesian Ethnographical Specimens; Ethnographical Material from North America; and important collections of Natural History and

Mr. George Graham: Head-rest and Shell Necklet; Facsimile of First Letter written by Mary Queen of Scots; Kati-pipipi or Fledgling Cage, Urewera District; Fragment of House, from the Tarawera Eruption Debris; Taka-kai Mat.
Mr. G. M. Graham: Bone Tewhatewha, deposited

Mr. L. T. Griffin: Two Model Canoes, Santa Cruz. Dr. E. B. Gunson: Set of Maps of War Areas, Salonica and France.

Mr. J. G. Haddow: Hepialus virescens

Mr. A. L. Hall: Coin. Mr. J. A. L. Hall: Fern Pounder, Kawakawa.

Mrs. Hall: Specimens of Puff Adders, Kenya Colony

Mr. H. Hamilton: Outrigger of Model Canoe, dug up at Maketu.

Miss Hardy: Specimens of Sinter.

Mr. Wiremu Harikoma: One Greenstone Ear Pendant.

Mr. Harnett: Stone Adze, Whangarei; bottles of Insects and Lizards taken from imported fruit.

Mr. Harper: Kumete, from Ohura

Mr. Haultain: Wooden Box and Fijian Club.

Mr. J. Hepi: Specimen of Iron Pyrites, Kohore. Maria Hepi: Stone Adze, Kawakawa. Mrs. Robin Papana Hepi: Three Stone Adzes, Kawakawa.

Mrs. W. Hepi: Stone Grinder, Kohore Pa. Mrs. Hickman: Collection of Indian Insects

Mrs. H. Hill: Two Weaving Sticks, Taupo.
Mr. W. Hone: Three Kumara Weeders, one Maori Maul, Kaitaia.
Mr. G. V. Hudson, F.E.S., F.N.Z.Inst.: Two hundred and forty speci-

mens of New Zealand Lepidoptera

Mrs. Hulme; Various War Trophies collected by the late Sergt. Hulme; Maori Adzes; Samoan Club.

Tatana Hunia: One Stone Adze, Herekino. Major G. R. Hutchinson, O.B.E.: Gollection of War Posters and of War Trophies, obtained in England and the East during the late War.

Mr. Harre Huru: Three Stone Adzes, one Broken Mere, Waitaha. Mr. A. E. Hyde: Portion of Cardinal Wolsley's Hampton Court Water Main laid in 1515.

Mr. E. H. Ingle: Ibex Trophy, Ibex Skull and Horns, and Wild Sheep, deposited

Mrs. E. H. Ingle: Collection of Burmese Swords and Arrows

Mr. Hinenui Itepo: Model Canoe, Otao, Kawakawa Mr. H. L. Irving: Stone Adze, Cannon Ball, specimen of Fish, Kawa-

Mr. E. Jackson: Photographs of Rauparaha's Whare.

Mr. Jackson: Specimen of Pipe Fish, Hokianga, Mrs. Jackson: Collection of Melanesian Ethnographical Articles

Mr. A. W. Jong: Moa Bones, Long Beach, Otago. Mr. H. Johnson: Water Bottle used to carry water by friendly Maoris to soldiers fighting against Hone Heke; Barrel of Old Flint Lock Mr. R. Noel Johnson: Tin Box of Turkish make taken from a Turkish

Mrs. Johnstone: Collection of Shells and Corals, from the Philippines

Mr. Hallyburton Johnstone: Specimens of Gobiomorphus gobioides

The Kauri Timber Company: Large Plank of Kauri Timber.
Rev. Riri M. Kawiti, Kiri Bristow, Pori Tautori, and Ngatikahu people
of Kawakawa: Series of Carved Coffin Boxes from Walmio Burial

Rev. Riri M. Kawiti: Carved Pare, Five Stone Adzes, Greenstone Adze,

two Pendants and Ivory Seal, deposited. Mrs. W. Kay: Two Stone Adzes, Panmure

Mrs. W. Kay: Collection of Ethnographical Articles from Samoa and

Mr. and Mrs. Keary: New Zealand Ensign bearing names of members of Auckland regiments. Mr. J. Kealley: Stone Adze, Kukenenui. Capt. Kealley: Specimen of Sea Perch. Mr. G. S. Kelly: Bark Canoe. Mr. J. D. Kelly: Stone Adze and Grinder, Kawakawa.

- Mr. N. Kemp: Spear Head, Fly River, New Guinea.
- Mrs. J. Kenderdine: Ethnographical Articles, from North America, Burma, Africa, Society Islands, and New Zealand.
- Mr. J. Kenderdine: Two Aboriginal Message Sticks, Kimberly District,
- Mr. L. V. Kidson: Canoe Paddle and Fishing Weight, Kawakawa,
- Dr. A. Kinder: Shell picked up on Battlefield of Tel-el-Kebir
- Mr. E. King: One Stone Adze, from Herekino. Mr. H. King: Carved Canoe Prow, Maunganui
- Mr. H. Kirschenbaum: Fine series of Paper Money, from Austria, Hungary, Germany and Russia. Mr. Hira Henare Kupa: Five Stone Adzes, Karetu. Mr. R. M. Laing, M.A., F.N.Z.Inst.: Specimens of New Zealand and
- Foreign Algae. Mr. Alex. Lakeman: Albino Song Thrush. Mr. W. E. La Roche: Fluted Root, parasitized by *Dactylanthus taylori*,
- Taupo District; Glass Float with Coral Growth, from the Solomon Mr. W. B. Leyland: Kie-Kie Mat, Waitui, Waikato. Mr. Trevor Lloyd: Fragment of Maori Flax Weaving.
- Mr. A. Lloyd: Series of Pencil Sketches done during the War, de-
- posited. Mr. E. Logan: Stone Adze, Rarotonga
- Mr. Lovell: Specimen of Sea Horse
- Mr. J. K. Lowe: Whaling Harpoon recovered from Auckland Harbour. Miss F. B. M. Macdonald: Greenstone Ear Pendant.
- Mr. J. D. Mackay: Series of Stone Adzes, Waitoa
- King Rata Mahuta: Three fine Maori Cloaks
- Mr. C. Mai: Collection of very fine Native Brass Spears, Axes, and Knives, from West Africa.
- Mr. F. C. Mappin: Cup and Saucer of Rockhampton ware, three Plates, Davenport ware, and Beleek Spill Holder.
- Mr. J. Marshall: Kumara Weeder, one small piece of Carving, and one
- Stone Adze, Awanui.
  Mr. R. H. Marvin: Collection of German Coins and Treasury Notes Dr. J. Marwick: Specimens of Devonian Brachiopods and series of
- Vienna Basin Miocene Mollusca The Chief Te Whenua, Matatua: Carved Pigeon Snares and Spears.
- Mr. Hoki Mati: One Stone Adze Mr. H. B. Matthews, Sharpening Stone, Spirits Bay; Mallet and Fern-
- pounder, Kaitaia Mr. J. Macky: Maori War Medal of Trooper J. Macky

- Mr. J. Macky; Maori War Medal Of Trooper J. Macky.
  Mr. L. J. Matthews: Two Stone Adzes, Mangonul.
  Mr. May: Stone Adze, Carved Walking Stick, Ohaeawai,
  Mr. H. Mayer, R.F.A.: Set of French Pewter Wine Measures.
  Capitain J. D. McComish: War Souvenirs, from France.
- Mr. W. R. McGregor: Five Memorial Carvings, one Lintel, and three Winged Masks, from New Ireland; two Dance Wands, and two Canoe Bailers, from New Britain; and two Skulls with Restored Features, from Sepik River, New Guinea
- Master R. McIntyre: Ten-cent Currency Note of Straits Settlement.
- Mr. D. J. McKay: One Stone Adze, Mangonui Mr. W. McKinnon: Whalebone Comb, Fern Beater, and Maori Skull.

- Mr. McMillan: One Pigeon Trough, Whatataki.
  Mr. A. D. Mead: Rocks, from the Waltakere Rangers.
  Mr. S. Middlebrook: Two Ivory Pendants, one Bone Fish Hook Barb, two Needles, deposited.

Mr. E. P. Mitchelson: Historic Greenstone Mere, from Northern Wairoa Hon. Sir E. Mitchelson: Large Knot, from beach at Herekino; large Knot from a tree dug up at Whangape

Mr. R. C. Mitford: Fine Pekapeka of apple-green Jade, Gisborne.

Mr. J. Mohring: Hinaki or Fish Trap, Te Aroha

Mr. R. Mohunga: Two Kumara Weeders, Kawakawa

Mr. C. F. Molloy: Greenstone Hei tiki and Mcre, North Auckland, Mr. H. B. Moore: Fine Greenstone Adze. Miss L. B. Moore: Specimens of Staminate and Pistilate Plants of Dactylanthus, from Taupo.

Mr. G. M. Morgan: Specimen of Shell, Ruapekapeka.

Mr. J. Morgan: Officer's Sword and Pepper Box Pistol, Ruapekapeka.

Mr. E. Morison: Large collection of articles made by donor from

Mr. J. H. Morris: One Fern Pounder, Opua

Miss Viola Moses: Richly ornamented Dresden Vase

Mr. H. S. Munro: Maori and Hawaiian Stone Implements

Dr. D. M. Murray: Tibetan Bible on Wooden Strips, Lassa; Stone Adze, Whangarei.

Mrs. J. Hingston Murray: Two Wooden Pounders, one Stone Artefact, Bay of Islands.

Mr. C. Napier: Three Canoe Paddles, Waimate. Mr. Geoffrey Nevill: Large Maori Wooden Maul.

Mr. D. M. Newton: Collection of War Medals, deposited

Wiremu Ngamati: Carved Fishing Title Post, Otiria

Ngatihira Ngatimanu: Maori Trough, deposited

Mr. W. D. Nicholas: Carved Wooden Flute, Paeroa.
Mr. O. E. Nielson: Native Stringed Instrument covered with human skin, Goodenough Bay, New Guinea

Mr. Llewelyn Ogle: One Canoe Paddle, Rangiahua, Mr. Olias: Kiwi Egg, Kawakawa. Major W. E. Orsborn: Balloon Photographs of the front line at

Pioegsteert Wood. Mr. J. D. Ozaune

Mr. Ben Pene; A Stone Adze, Waimiti Pa.
Miss D. Penny; Cloak, Stone Adze and Stone Mere, deposited.
Mr. E. Porter; Specimen of Wasp Nest. Portland Cement Co.: Collection of Hydraulic and Crystaline Lime-

Mr. S. D. Potter: Two specimens each of Harrier Hawks and Godwits. Mrs. Wm. Potter: Barbed Wooden Spear, from swamp at Mangere.

Miss A. Povey: Specimens of Kauri Gum. Mr. A. Powell: Collection of New Zealand War Seals.

Mr. A. W. B. Powell: Collection of Holotypes and Figured Paratypes of New Species of New Zealand Mollusca; Number of New Zealand and Foreign Mollusca; Dancing Club, Santa Cruz; Jaw Bone of Maori Dog, Muriwai; Photo of Chief's House, New

Dr. Power: Specimen of Frog found in Sand Hills, Waitipo.
Public Works Department: Selection of Rocks from Arapuni.
Mr. A. T. Pycroft: Piece of Worked Greenstone: British Soldiers' Language Guide; Collection of Natural History Specimens, from Cavalli Islands; Various Specimens of New Zealand Lizards.

Mrs. F. Quayle: Model of Canoe, Breast Ornament, and Scoop, Santa Cruz.

Mr. F. Quedley: Uniform worn by the late Jas, Quedley of the 14th Regt. Foot, at the Crimea.

Mr. W. A. Rawnsley: Human Skull

Mrs. F. A. Raynes: Large collection of Polished Gum Specimens

Richards Bros.: Collection of Ethnographical Articles, from Solomon

Major H. S. N. Robinson: Model of Outrigger Canoe

Mr. F. C. Rollett: Specimens of Rare Fossils, from Reefton and Raglan.

Mrs. A. Ross: Collection of British Medal Ribbons

Mr. D. W. Routledge: One Whale-bone mere

T. Russell: Two Stone Adzes dug up at Mt. Eden. Mr. W. Rutherford: Historic Red Ensign captured by Hone Heke

Capt. H. M. Ryder: Several interesting specimens of Fish, Bay of

Mrs. E. Sanderson: Three species of Land Shells, from Totara North. Mr. W. E. Sargent: Various Bird Skins and a series of Ethnographical Specimens, from South Africa.

Mr. G. A. Shaw; Club (Central African); Pillow, from Cook Islands; and Sword-bayonet used in Franco-Prussian War

Mr. W. Nicol: Five Stone Adzes and Fijian tapa

The Rev. Sinclair: Fine specimen of Tortoishell Ornament, Solomon Mr. Alex. A. Smith: Framed Ticket for the Coronation of Edward VII

Mr. Chas. Smith: Two Fern Pounders, Opua.

Mr. G. Moir Smith: Collection of Ethnographical Articles, Papua. Mr. H. P. Smith: Piece of Knotted New Zealand Vine.

Mr. J. L. Harrison Smith: Specimens of Petrified Wood. Mr. L. Smith: Seven Stone Adzes, Te Puna Pa; Haft of Stone Fish-

hook, two Fern Pounders and Stone Adze

Miss Marjorie Smith: Maori Piopio, made at Taupo in 1924. Mr. J. Solem: Damascened Eastern Dagger.

Mr. T. S. Sowbery: Specimen of Sea Snake, Waipu Cove. Mr. N. G. Sowman: Albino Zosterops, Insects and Shells. Rev. F. H. Spencer: Ironsand, from Lake Rotorua. Lieut. N. B. Spencer: Collection of War Photographs, Maps and Battle

The State Forest Service: Exceptionally large cross-section of Rimu

Mr. W. Stead: One Stone Adze, Awanui. Mr. J. Stewart: Chain Saw and War Maps, from France; Japanese

Flower Basket; Collection of Stamps used in connection with the War. Mr. Stewart: Concretion, from Helensville

Mr. S. Strongman: Series of Rock and Fossil Specimens, from Coro-Mr. A. Strongman: Canoe Stern Post, Fishing Weight and Part of

a Stone Mere, Kerekeri, Bay of Islands. Mr. W. R. Stuart: Dagger, from North Africa. Found near Silverdale

Superintendent State Colleries, Greymouth: Comprehensive Collection, from Greymouth State Mines

Taafe: Stone Haft for Fish Hook and Stone Adze, Ahipara Taupo Totara Timber Co.: Cross Section of Totara, from Mokai Dis-

Pohutuhutu Te Harate: Stone Adze, Kerepeehi Pa. Mr. and Mrs. A. Telfer: Piece of Wood from the "Boyd," deposited. Specimens of New Zealand Woods and Bark; Panel of Silky Oak, from Queensland.

Mr. G. Templey: Stone Pounder, Concretion and piece of Slate, Powder Flask, Shell and Three Pieces, from Ruapekapeka

Mr. R. J. Terry: Collection of European Bronze and Silver Coins

Mrs. Tiaho Te Tai: Piu piu, from Karetu.

Whitoi Te Titaha and Hapi Te Titaha: Greenstone Mere, from Orao, Kawakawa

Mr. L. Tetley: Pendant of unusual form, Surfdale, Waiheke

Mr. J. Thorn: Concretions from a Quarry at Wairoa

Mr. H. Toia: Two Stone Adzes, one William IV. Florin. Hon. W. H. Triggs, M.L.C.: Two pieces of Tappa, Plaited Mat, from

Mrs. Tuke: Ink Stand made from the wood of H.M.S. Lion, Blotting Pad from H.M.S. Indefatigable, Paper Knife from wood of the old Implacable, taken from the French in 1805, Collection of Etinographical Articles and War Trophies. Mrs. Twiname: Various species of Shells

Tyman, Smith and Co.: Two Wooden Stakes, Fern Beater, and Stone

Mr. W. Upton: Large Pounder, and Hoanga, Waimai.

Vaile Collection: Carved Lamp Bowl, Carved Bone Spear Point, Carved Needle, Greenstone Adze, found in Civic Square, Auck-Carvet Needle, Greensome Auze, Johns in Give Square, Augk-land; Bone Hei Tikk, from Tokaanu; Maori arlielse including Greenstone Hei matau and Adzes, from various localities; Garved Thatching Needle, from Huntly; Shark-Tooth Sword, Gilbert Islands; Carved Stone Figure of Kumara God, from Northeote; Specimen of large Bivalve Shell Spondylus, from the Cook Islands; Wooden Kumete, from Kerepeehi; Kahurangi Greenstone Pendant,

Mr. E. E. Vaile: Replicas of two Vaphio Gold Cups, series of Foreign

Vanadium Corporation of America, per Dr. J. Strauss: Interesting Series of Metal Ores, Manufactured Materials and Chemicals used in the Metal Industry.

Mr. R. A. Vercamer: "Te Whakanui," the journal of 26th and 27th Reinforcements, N.Z. Exped. Forces.

Rev. A. H. Voyce: Extensive Collection of Melanesian Ethnographical Articles, deposited

Mr. Wadham: Stone Adze

Waipu Colleries Ltd.: Coal and Coal Measure, Rocks of Waikato Miss Walker: Palaeolithic Flake, from East Africa.

Mrs. T. Walker: Two Stone Adzes, Sinker, and Chisel, Awanui. Mr. T. Walker: Two Kumara Weeders and two Stone Sinkers, Awanui.

Mr. A. R. Wallace: Tea-tree Stumps, showing unusual growth, Kohukohu

Miss K. Webb: One Stone Adze, Opotiki.
Mr. F. Webster: Series of Fossils (Eocene Marine), from England. Mr. M. Webster: One Gun.

Mr. Webster: Specimens of Gobiomorphus gobioides.

Mr. Webster: Specimens of coolonorpaus gonomes, Miss Webster and Mr. Geo. Webster: Series of Pictures illustrating Native Life in the Solomon Islands, by the late John Webster; Etched Portraits, and Silver Cup presented by Her Majesty, Queen Victoria, to Tamate Waka Nene, in June, 1861.

Rev. W. H. Webster: Extensive collection of New Zealand and Foreign Mollusca, including types of New Species

Miss White: Ethnographical Specimens, Solomon and Santa Cruz Islands.

Mr. W. Wigley: Greenstone Scraper, Kaitaia

Miss A. K. Wilson: Nine Spears, Solomon Islands

Mr. G. Wilson: Young Apteryx mantelli, Kawakawa

Mr. J. Wilson: Volcanie Vent Pipe. Mrs. R. M. Wilson: Collection of Beetles, New Guinea; Greenstone Merc, formerly the property of the Ngapuhi Chief Tirarau Kukupa.

Mere, formerly the property of the Ngapuli Chief Tirarau Kukupa.
Mr. Wisdom: Twenly-four Hand Sections of Pijian Timbers.
Mr. Basil A. Woods: Two old Persian Brass Trays:
Mr. H. Woolnough: Electrotype Loyalist Badge of Chas. I. Period.
Rev. F. Worley: Collection of Marine Mollusca, Nelson Province.
Mr. E. S. Wright! Nodule of Coal, Neweastle, N.S.W.
Mr. Hugh G. Wright! Old Wedgewood Jar, specimen of Lizard.
Mr. Chas. J. Wyatt! Walking Stick of timber from the ship "Boyd,"
Stone Adze, Whangaroa.
Mr. H. W. Young: Iron Mere, Stone Adzes.
Mr. W. H. Young: Two Stone Adzes, Herekino.

#### ANONYMOUS DONORS

Small Carved Wooden Utensil, Maori; Stone Adze, Hokianga; Maori £1 Note; Three Chatham Island Adzes; Stone Pounder.



#### LIST OF MEMBERS

(with Postal Addresses)

(Members are requested to advise the Secretary of any change of Addi

[Honorary and Life Members distinguished thus\*.]

Abbot, C. E., 83 Queen Street, | Auckland.

Abbott, Dr. D. W. N., Cr. Kim-berley and Manukau Roads.

Abbott, R. A., 36 Shortland

Street, Auckland.
Abel, R. S., care Abel, Dykes &
Co., Chancery Street, Auckland Acheson, Judge F. O. V., Native

Land Court, Auckland.

Adams, C. E., LL.B., Land

Transfer Dept., Nelson.

\*Adams, L., 12 Ewington Avenue,

Aickin, Dr. G., Symonds Street, Auckland.

\*Aimer, K. W., Architect, 423 N.Z. Insurance Buildings,

John, C.M.G., bourne Chambers, Auckland.

Alexander, L. W., Cargen Hotel, Auckland.

\*Alison, Ernest, Takapuna. Alison, Hon. E. W., M.L.C., Devonport Ferry Co., Auckland. \*Alison, E. W., jun., Bank of N.Z

Chambers, Swanson Street, Auckland. Allan, W. Thurston, Norfolk

Allen, J. W., Annandale, Piako. Allison, James, Boarding House,

Allum, John, Anzac Avenue, Auckland. R. E., Box 698, Auck-

Ambler, F. H., Summit Buildings, Wellesley Street, Auckland.

\*Ambury, J., Liverpool Street, Epsom. E., Northern Club, \*Anderson,

Auckland.

Anderson, George E vedere, Mt. St. John. George E., Belle-

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Spragg, G. W., Lorne St., Auckland Stanton, J., Selbourne Chambers,

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and Stewart, Swanson Street, Auckland. \*Stewart, Hon. W., M.L.C., Kawa-

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\*Vaile, H. E., Queen Auckland.

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White, P. C., C/o S. White & Sons, Customs Street West, White, R. W., Wellington Street,

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